

FULL PRESSURE SUIT TEST LOG

SUBJECT # 1051
 SUIT # -3
 OUTER GARMENT W/FLOAT GEAR -3 EYE
 HELMET # 298
 GLOVES # ~~2~~ -2
 BOOTS -1

FLIGHT DATE 10 Dec 67
 DON _____
 DOFF _____
 TIME IN SUIT _____
 TECHNICIAN 25X1A

PRESS-TO-TEST

PRE-FLIGHT

SUBJECT TEST

POSTFLIGHT

SYSTEM #1

Max Pressure 112
 Differential 1.4
 Leak Rate 1200

106
1.5
400

106
1.4
1000

SYSTEM #2

Max Pressure 107
 Differential 1.4
 Leak Rate 1200
 Unpress Leak Rate 300

120
1.5
450
450

112
1.4
350
300

Face Heat 17.5

Comm and Cord ✓

Pencils ✓

Knife ✓

Controller Number 73

Packet ✓

Grease Zippers ✓

Check Location of CO₂ ✓

Pressure Tap Screws ✓

PRESSURE SUIT HOOK-UP CHECKLIST

1. ☒ Packet in pocket.
2. ☒ Stirrups secured.
3. ☒ Foot rest guards over seat foot rests.
4. ☒ Communications secured and functioning.
5. ☒ Face heat ON (LOW).
6. ☒ Oxygen hoses secured in QD.
7. ☒ Three harness snaps secured - harness adjusted and surplus stowed.
8. ☒ Kit adjusted and surplus stowed.
9. ☒ Two (2) bailout hoses secured.
10. ☒ Lap belt, shoulder harness, key, secured and adjusted. (VELCRO TAPE SECURED)
11. ☒ Oxygen hoses under right leg strap, chest strap under helmet hold-down.
12. ☒ Emergency oxygen lanyard secured and pin removed.
13. ☒ Green apple secured.
14. ☒ Red knob secured, guard removed.
15. ☒ Manual over-ride handle secured.
16. ☒ Two (2) Rocket-Jet releases secured.
17. ☒ Press-to-test both O2 Systems, (LOW pressure-#1 Sys 95/100 #2 Sys 65/75).
18. ☒ Check face heat.
19. ☒ Re-adjust lap belt.
20. ☒ Kit lanyard secured to D-Ring, under Lap Belt.
21. ☒ Parachute beacon; AUTOMATIC (), UNSNAPPED (↔), SNAPPED ().
22. ☒ Departing LOX quantity, #1 System 9.5 #2 System 9.25 TIME 1125.
23. ☒ Returning LOX quantity, #1 System 9.4 #2 System 9.25 TIME 1210.

SUBJECT

51

AIRCRAFT NUMBER

27

TECHNICIAN

[REDACTED]

DATE OF FLIGHT

10 Dec 67

25X1A

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE:

1. ✓ Ripcord pins seated (main and first stage).
2. ✓ Check power cable linkage.
3. ✓ Pack opening elastics secured.
4. ✓ First stage jettison mated and pins secured.
5. ✓ Two (2) rocket jet units secured.
6. ✓ Manual over ride handle secured.
7. ✓ Green apple secured.
8. ✓ Red knob secured, guard installed.
9. ✓ Bailout hoses adjusted for HIGH flight.
10. ✓ Bailout hose connectors operating.
11. ✓ Bailout hose safety clip lanyard checked.
12. ✓ Harness adjusted for HIGH flight.
13. ✓ Automatic openers - triggered and reset.
14. ✓ Aneroids (sea level to 7500').
15. ✓ Bailout cylinder pins secured.
16. ✓ Bailout cylinder pressure #1 1800 #2 1800.
17. ✓ Communication cord secured to chute.
18. ✓ Visual inspection completed.
19. ✓ Faceheat battery pack checked.

SURVIVAL KIT:

1. ✓ Yellow handle secured.
2. ✓ Trigger clearance.
3. ✓ Kit disconnects secured.
4. ✓ Lid secured.
5. ✓ Visual condition.

INSTALLATION:

1. ✓ Shoulder harness installed.
2. ✓ Vent hose secured at disconnect.
3. ✓ Kit secured to chute, loose.
4. ✓ Emergency oxygen lanyard secured to chute with pin installed.
5. ✓ Communication cord secured at disconnect.
6. ✓ Vent hose secured to chute.
7. ✓ Pin secured in QD and safetied.
8. ✓ Oxygen system low pressure #1 80/70 #2 80/70.
9. ✓ Pip pin in "D" ring.
10. ✓ Stirrup cables extended and operating freely.
11. ✓ Foot rest guards over seat foot rest.

SUBJECT# 51 AIRCRAFT # 27 PARACHUTE # 106 SEAT KIT # 57

TYPE CUSHION 5B17 DATE 10 Dec 67 VENT HOSE # 73 TECHNICIAN pl

PHYSIOLOGICAL SUPPORT DEBRIEFING

25X1A

DATE 10 Dec 1967 ACFT 31 PILOT TIME IN FLIGHT 4:00 TIME IN SUIT 5:00 PREBREATHING TIME 1:00

SATISFACTORY

UNSATISFACTORY

1. PHYSICAL CONDITION (PILOT)

2. SURVIVAL KIT AND CUSHION

3. PARACHUTE #125 Pins 4

4. HELMET - 1

A. REFLECTIONS

B. FACE HEAT

C. COMMUNICATIONS

5. SUIT PROPER - 4

A. CABIN DECOMPRESSION: YES NO

6. OUTER GARMENT - 4

7. BOOTS AND SPURS - 2 4 D.

8. GLOVES - 4

9. OXYGEN SYSTEM

DEPART		RETURN	
TIME	AMT	TIME	AMT

#1 1025 9.5 1500 8.0#2 1025 9.5 1500 9.0

10. MISCELLANEOUS

11. EVALUATION ITEMS

25X1A

A.

B.

C.

D.

E.

12. REMARKS: (EXPLAIN UNSATISFACTORY REPORT)

PHYSIOLOGICAL SUPPORT DEBRIEFING

25X1A

DATE 10 Dec 1969 ACFT 31 PILOT [REDACTED]
TIME IN FLIGHT 4:00 TIME IN SUIT 5:00 PREBREATHING TIME 1:00

SATISFACTORY

UNSATISFACTORY

1. PHYSICAL CONDITION (PILOT)

2. SURVIVAL KIT AND CUSHION

3. PARACHUTE #125 Pins 44. HELMET -1

A. REFLECTIONS

B. FACE HEAT

C. COMMUNICATIONS

5. SUIT PROPER -4A. CABIN DECOMPRESSION: YES NO6. OUTER GARMENT -47. BOOTS AND SPURS -2 A.D.8. GLOVES -4

9. OXYGEN SYSTEM

DEPART		RETURN	
TIME	AMT	TIME	AMT

#1 1025 9.5 1500 8.0#2 1025 9.5 1500 9.0

10. MISCELLANEOUS

11. EVALUATION ITEMS

A.

B. [REDACTED]

C.

D.

E.

25X1A

12. REMARKS: (EXPLAIN UNSATISFACTORY REPORT)

* * * TOP SECRET * * *

BX-6738

DCOL CHECK LIST

* DENOTES MANDATORY CALL TO COM AND POST UPON COMPLETION

H-24:00 TO H-23:30: SECURE SUITS, CHUTES, KITS AND VENT UNITS: ✓ 100-1130
 DESIGNATE LIFE SUPPORT TECHNICIANS:
 A/C 31-50 P..... ✓
 A/C 27-51 S..... ✓

H-23:30: ATTEND COMMANDERS BRIEFING:..... ✓ 1130
 SUBMIT HANGAR ACCESS ROSTER, 5 CYS 1-MC 3-SECURITY 1-DCOL..... ✓
 SUBMIT RECOVERY ROSTER, 3 CYS 1-MC 1-ADMIN 1-DCOL..... ✓

H-22:00 TO H-17:00: PREFLIGHT:
 BOTH SUITS (EA PILOT)..... ✓ 1300-1800
 PARACHUTE AND EMERGENCY O2 SYSTEMS..... ✓
 SEAT KIT COMPONENTS..... ✓
 SUIT ROOM VENT..... ✓
 LOX VENT UNIT..... ✓
 OXYGEN CYLINDERS..... ✓
 TEST EQUIPMENT..... ✓
 TRANSPORT VANS..... ✓

H-21:00: NOTIFY SECURITY, SEAT KIT AVAILABLE FOR PACKING:..... ✓ 1400
 H-3:00 TO H-1:40: PREPARE PREBREATHING ROOM FOR RECEIPT OF PILOT:..... ✓ 0800-0920
 H-2:00 PERSONALLY CHECK WITH MISSION COORDINATOR AT C.P. TO VERIFY NAMES OF
 PRIMARY AND SPARE PILOTS AND AIRCRAFT:
 P..... ✓
 S..... ✓

INSTALL SEAT KIT AND PARACHUTE:..... ✓
 H-2:00: RECEIVE PACKET FROM INTELLIGENCE..... ✓ 0900
 H-1:45 TO H-1:30: SECURITY INSPECTS SUITS:..... ✓ 0915
 H-1:20 TO H-1:10: FLIGHT SURGEONS MEDICAL IN DCOL:..... ✓ 0940-0910
 H-1:10 TO H-1:00: DRESS PILOT, PRESSURE CHECK EQUIPMENT:..... ✓ 0950-1000
 H-0:50 TO H-0:45: TRANSPORT TO AIRCRAFT:..... ✓ 1010-1015
 *H-0:45 TO H-0:35: PILOT HOOKUP AND SUIT A/C CHECK..... ✓ 1015-1025
 H-0:35 TO TAKEOFF: STANDBY IN DCOL AND PACK LOW RECOVERY EQUIPMENT:..... ✓ 1025
 LANDING: REMOVE PILOT, TRANSPORT PILOT BACK TO DCOL, DESUIT PILOT:..... ✓
 DEBRIEF PILOT, EVALUATE AND CHECK RELIABILITY OF EQUIPMENT:..... ✓
 POST-FLIGHT EQUIPMENT:..... ✓

* * * TOP SECRET * * *

FULL PRESSURE SUIT TEST LOG

SUBJECT # 1050
 SUIT # 4
 OUTER GARMENT W/FLOAT GEAR 4
 HELMET # 1
 GLOVES # 4
 BOOTS 2

FLIGHT DATE 10 Dec 67
 DON 1000
 DOFF 1500
 TIME IN SUIT 5+00
 TECHNICIAN 25X1A

<u>PRESS-TO-TEST</u>	<u>PRE-FLIGHT</u>	<u>SUBJECT TEST</u>	<u>POSTFLIGHT</u>
<u>SYSTEM #1</u>			
Max Pressure	<u>110</u>	<u>110</u>	<u>114</u>
Differential	<u>1.3</u>	<u>1.4</u>	<u>1.3</u>
Leak Rate	<u>550</u>	<u>1400</u>	<u>1200</u>
<u>SYSTEM #2</u>			
Max Pressure	<u>120</u>	<u>120</u>	<u>120</u>
Differential	<u>1.3</u>	<u>1.4</u>	<u>1.3</u>
Leak Rate	<u>500</u>	<u>500</u>	<u>800</u>
Unpress Leak Rate	<u>500</u>	<u>400</u>	<u>600</u>
Face Heat	<u>18</u>		
Commo and Cord	<u>OK</u>		
Pencils	<u>✓</u>		
Knife	<u>✓</u>		
Controller Number	<u>76</u>		
Packet	<u>✓</u>		
Grease Zippers	<u>✓</u>		
Check Location of CO ₂	<u>✓</u>		
Pressure Tap Screws	<u>✓</u>	<u>✓</u>	

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FULL PRESSURE SUIT TEST LOG

SUBJECT # 1050
SUIT # - 3
OUTER GARMENT W/FLOAT GEAR - 3
HELMET # - 1
GLOVES # - 3
BOOTS

FLIGHT DATE
DON
DOFF
TIME IN SUIT
TECHNICIAN 25X1A

<u>PRESS-TO-TEST</u>	<u>PRE-FLIGHT</u>	<u>SUBJECT TEST</u>	<u>POSTFLIGHT</u>
<u>SYSTEM #1</u>			
Max Pressure	<u>109</u>	<u> </u>	<u> </u>
Differential	<u>1.3</u>	<u> </u>	<u> </u>
Leak Rate	<u>1300</u>	<u> </u>	<u> </u>
<u>SYSTEM #2</u>			
Max Pressure	<u>108</u>	<u> </u>	<u> </u>
Differential	<u>1.3</u>	<u> </u>	<u> </u>
Leak Rate	<u>1150</u>	<u> </u>	<u> </u>
Unpress Leak Rate	<u>400</u>	<u> </u>	<u> </u>
Face Heat	<u>18.2</u>	<u> </u>	<u> </u>
Commo and Cord	<u>✓</u>	<u> </u>	<u> </u>
Pencils	<u> </u>	<u> </u>	<u> </u>
Knife	<u> </u>	<u> </u>	<u> </u>
Controller Number	<u> </u>	<u> </u>	<u> </u>
Packet	<u> </u>	<u> </u>	<u> </u>
Grease Zippers	<u> </u>	<u> </u>	<u> </u>
Check Location of CO ₂	<u> </u>	<u> </u>	<u> </u>
Pressure Tap Screws	<u> </u>	<u> </u>	<u> </u>

PRESSURE SUIT HOOK-UP CHECKLIST

1. ~~P~~acket in pocket.
2. ~~S~~tirrups secured.
3. ~~F~~oot rest guards over seat foot rests.
4. ~~C~~ommunications secured and functioning.
5. ~~F~~ace heat ON (LOW).
6. ~~O~~xygen hoses secured in QD.
7. ~~T~~hree harness snaps secured - harness adjusted and surplus stowed.
8. ~~K~~it adjusted and surplus stowed.
9. ~~T~~wo (2) bailout hoses secured.
10. ~~L~~ap belt, shoulder harness, key, secured and adjusted. (VELCRO TAPE SECURED)
11. ~~O~~xygen hoses under right leg strap, chest strap under helmet hold-down.
12. ~~E~~mergency oxygen lanyard secured and pin removed.
13. ~~G~~reen apple secured.
14. ~~R~~ed knob secured, guard removed.
15. ~~M~~anual over-ride handle secured.
16. ~~T~~wo (2) Rocket-Jet releases secured.
17. ~~P~~ress-to-test both O2 Systems, (LOW pressure-#1 Sys 69 70 #2 Sys 70/80).
18. ~~C~~heck face heat.
19. ~~R~~e-adjust lap belt.
20. ~~K~~it lanyard secured to D-Ring, under Lap Belt.
21. ~~P~~arachute beacon; AUTOMATIC (), UNSNAPPED (X), SNAPPED ().
22. ~~D~~eparting LOX quantity, #1 System 9.5 #2 System 9.5 TIME 1025.
23. ~~R~~eturning LOX quantity, #1 System _____ #2 System _____ TIME _____.

25X1A

SUBJECT	<u>50</u>	AIRCRAFT NUMBER	<u>31</u>
TECHNICIAN	<div style="border: 1px solid black; width: 200px; height: 40px;"></div>	DATE OF FLIGHT	<u>10 Dec 67</u>

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE:

1. ✓ Ripcord pins seated (main and first stage).
2. ✓ Check power cable linkage.
3. ✓ Pack opening elastics secured.
4. ✓ First stage jettison mated and pins secured.
5. ✓ Two (2) rocket jet units secured.
6. ✓ Manual over ride handle secured.
7. ✓ Green apple secured.
8. ✓ Red knob secured, guard installed.
9. ✓ Bailout hoses adjusted for HIGH flight.
10. ✓ Bailout hose connectors operating.
11. ✓ Bailout hose safety clip lanyard checked.
12. ✓ Harness adjusted for HIGH flight.
13. ✓ Automatic openers - triggered and reset.
14. ✓ Aneroids (sea level to 7500').
15. ✓ Bailout cylinder pins secured.
16. ✓ Bailout cylinder pressure #1 1800 #2 1800.
17. ✓ Communication cord secured to chute.
18. ✓ Visual inspection completed.
19. ✓ Faceheat battery pack checked.

SURVIVAL KIT:

1. ✓ Yellow handle secured.
2. ✓ Trigger clearance.
3. ✓ Kit disconnects secured.
4. ✓ Lid secured.
5. ✓ Visual condition.

INSTALLATION:

1. ✓ Shoulder harness installed.
2. ✓ Vent hose secured at disconnect.
3. ✓ Kit secured to chute, loose.
4. ✓ Emergency oxygen lanyard secured to chute with pin installed.
5. ✓ Communication cord secured at disconnect.
6. ✓ Vent hose secured to chute.
7. ✓ Pin secured in QD and safetied.
8. ✓ Oxygen system low pressure #1 80/70 #2 80/70.
9. ✓ Pip pin in "D" ring.
10. ✓ Stirrup cables extended and operating freely.
11. ✓ Foot rest guards over seat foot rest.

SUBJECT# 50 AIRCRAFT # 31 PARACHUTE # 125 SEAT KIT # 50

TYPE CUSHION SBM DATE 10 Dec 67 VENT HOSE # 76 TECHNICIAN

25X1A

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MISSION PILOTS ACTIVITY SCHEDULE FOR OPERATIONAL MISSION

BX 6738

H-HOUR TIME PRIMARY	LOCAL TIME PRIMARY	H-HOUR TIME SPARE	LOCAL TIME SPARE	ITEM	LOCATION
H -22:30	<u>1230</u>			Pre-Mission Physical Exam	Flt Surg
H -21:30	<u>1330</u>			Eating	A/C Mess
H -20:30	<u>1430</u>			Recreation activities as scheduled	Selected Area
H -18:30	<u>1700</u>			Intelligence Review	DCOMI
H -17:00	<u>1800</u>			Initial Brief & Recreation	DCO Brief Rm
H -14:00	<u>2100</u>			Eating	A/C Mess
H -13:00	<u>2200</u>			Crew Rest	Asgd House
H -4:00	<u>0700</u>			Wake/up Psychological Ck	Asgd House/ Crew Mess
H -3:30	<u>0730</u>			Final Briefing	DCO Brief Rm
H -2:30	<u>0830</u>			Breakfast	A/C Mess
H -1:20	<u>0940</u>	H +:20	<u>0940</u>	Final Physical Evaluation	DCOL
H -1:10	<u>0950</u>	H +:10	<u>1050</u>	Suiting	DCOL
H -:50	<u>1010</u>	H +:10	<u>1110</u>	Leave Ops	Transport Van
H -:45	<u>1015</u>	H +:15	<u>1115</u>	Arrive Aircraft	Hangar
H -:30	<u>1030</u>	H +:30	<u>1130</u>	Start Engine	Hangar
H -:20	<u>1040</u>	H +:40	<u>1140</u>	Taxi	Aircraft
H -:05	<u>1055</u>	H +:55	<u>1155</u>	Trim Engine	Aircraft
H -:00	<u>1100</u>	H +1:00	<u>1200</u>	Take Off	Aircraft
L +:25				Post Mission Physical	DCOL
L +:45				Ops Debrief	DCO Brief Rm
L +1:00				Mission Debrief	DCO Brief Rm
L +3:30				Released	

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25X1A

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SECRET

FROM: Mission Coordinator

9 DEC 1967

SUBJECT: Mission Alert Notification

TO: (See Below)

Request your attendance at the Commander's Briefing to be held
in the Operations Briefing Room on 9 DEC 1967 at
1130 L.

FOR THE COMMANDER
Mission Coordinator

Office	Time(L)	Recipient	Office	Time(L)	*Recipient
CMDR	_____	_____	DCOL	_____	_____
DCO	_____	_____	DCOC/MC	_____	_____
DCM	_____	_____	DCOMI	_____	_____
DCS	_____	_____	DCOW	_____	_____
SECUR.	_____	_____	COMMO	_____	_____
FLTSURG	_____	_____	AFCS	_____	(Notify Only)
DCOM	_____	_____	TTFC(SAC)	<u>0645</u>	(Notify Only)

SECRET

BX 6738

25X1A

P/P



PAC 131

S/P



SAC 127

25X1A